



## Planning for New Science Standards Series

### Workshop 2: Practices, Strategies, and Tools for the Next Generation Science Classroom

#### Target Audience

- K-12 Teachers, Instructional Facilitators, and Administrators

#### Professional Development Focus Areas

- Science Content
- Cognitive Research
- Instructional Strategies
- Standards, Frameworks, and Curriculum Alignment

#### Description

During this two-day workshop, participants will be introduced to the use of questioning and discussion strategies as effective tools to engage students in the scientific and engineering practices from A Framework for K-12 Science Education: Practices, Crosscutting Concepts, and Core Ideas (NRC, 2011).

#### Professional Development Schedule

Session	Content
Two-Day Workshop <ul style="list-style-type: none"><li>• Two consecutive days</li><li>• It is preferable, but not required, for participants to have previously completed the first workshop of this series -Introduction to <i>A Framework for K-12 Science Education</i></li></ul>	<ul style="list-style-type: none"><li>• Scientific and engineering practices</li><li>• Common Core State Standards for ELA/Literacy</li><li>• Using questioning and discussion strategies</li><li>• Engaging students in learning</li><li>• Using formative assessment to inform instruction</li></ul>

#### Resources

A Framework for K-12 Science Education (NRC 2011). Each participant should download the free PDF at [http://www.nap.edu/catalog.php?record\\_id=13165](http://www.nap.edu/catalog.php?record_id=13165)

Next Generation Science Standards (NGSS)

A free, interactive, digital version is available at [www.nextgenscience.org](http://www.nextgenscience.org).

The Common Core State Standards for English Language Arts & Literacy in History/Social Studies, Science, and Technical Subjects  
<http://www.corestandards.org/ela-literacy>

The Inquiry Project at <http://inquiryproject.terc.edu>